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Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.		PA1942US
		Kyusik Sin
		ling Junction MRAM with Improved

EA0057P435502 Express Mail L (Only for new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS ADDRESS TO: Box Patent Application Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) Specification [Total Pages (preferred arrangement set forth below) Computer Readable Form (CRF) - Descriptive title of the invention b. Specification Sequence Listing on: - Cross Reference to Related Applications i. CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention ACCOMPANYING APPLICATION PARTS - Brief Description of the Drawings (if filed) - Detailed Description × Assignment Papers (cover sheet & document(s)) 9. - Claim(s) Power of 37 CFR 3.73(b) Statement - Abstract of the Disclosure Attorney (when there is an assignee) English Translation Document (if applicable) Drawing(s) (35 U.S.C. 113) [Total Sheets Copies of IDS Information Disclosure 5. Oath or Declaration [Total Pages Citations Statement (IDS)/PTO-1449 Preliminary Amendment Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed) 13. Return Receipt Postcard (MPEP 503) 14. (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) **DELETION OF INVENTOR(S)** Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 named in the prior application, see 37 CFR 16. (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional of prior application No.:_ Continuation-in-part (CIP) Prior application information: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. CORRESPONDENCE ADDRESS Correspondence address below Customer Number or Bar Code Label PATENT TRADEMARK OFFICE Zip Code State

	<u></u>	······································		
Name (PrintlType)	Robert D. Hayden	Registration No. (Attorne	y/Agent)	42,645
Signature	April	Hoyl	Date	Dec. 14, 2001
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FEE TRANSMITTAL for FY 2002

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Complete if Known			
Application Number	Unknown		
Filing Date	December 14, 2001		
First Named Inventor	Kyusik Sin		
Examiner Name	Unknown		
Group Art Unit	Unknown		
Attorney Docket No.	PA1942US		

METHOD OF PAYMENT FEE CALCULATION (continued)				
The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES			
indicated fees and credit any overpayments to:	Large Small			
Account Number 06-0600	Entity Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	Fee Paid		
Deposit Account Carr & Ferrell, LLP	105 130 205 65 Surcharge - late filing fee or oath			
Name Charge Any Additional Fee Required	127 50 227 25 Surcharge - late provisional filing fee or cover sheet			
— Should be determined and the	139 130 139 130 Non-English specification			
Applicant claims small entity status. See 37 CFR 1.27	147 2,520 147 2,520 For filing a request for ex parte reexamination			
2. X Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to Examiner action			
Check Credit card Order Other	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action			
FEE CALCULATION	115 110 215 55 Extension for reply within first month			
1. BASIC FILING FEE	116 400 216 200 Extension for reply within second month			
Large Entity Small Entity Fee Fee Fee Fee Description	117 920 217 460 Extension for reply within third month			
Code (\$) Code (\$) Fee Paid	118 1,440 218 720 Extension for reply within fourth month			
101 740 201 370 Utility filing fee 740	128 1,960 228 980 Extension for reply within fifth month			
106 330 206 165 Design filing fee	119 320 219 160 Notice of Appeal			
107 510 207 255 Plant filing fee	120 320 220 160 Filing a brief in support of an appeal			
108 740 208 370 Reissue filing fee	121 280 221 140 Request for oral hearing			
114 160 214 80 Provisional filing fee	138 1,510 138 1,510 Petition to institute a public use proceeding			
SUBTOTAL (1) (\$)740	140 110 240 55 Petition to revive - unavoidable			
2. EXTRA CLAIM FEES	141 1,280 241 640 Petition to revive - unintentional			
Fee from Extra Claims below Fee Paid	142 1,280 242 640 Utility issue fee (or reissue)			
Total Claims 8820 = 68 × 18 = 1.224	143 460 243 230 Design issue fee			
Independent 8 3* =- 5 x 84 =420	144 620 244 310 Plant issue fee			
Claims Multiple Dependent	122 130 122 130 Petitions to the Commissioner			
	123 50 123 50 Processing fee under 37 CFR 1.17(q)			
Large Entity Small Entity	126 180 126 180 Submission of Information Disclosure Stmt			
Fee Fee Fee Fee Description Code (\$) Code (\$)	581 40 581 40 Recording each patent assignment per property (times number of properties)	40		
103 18 203 9 Claims in excess of 20 102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection (37 ČFR § 1.129(a))			
104 280 204 140 Multiple dependent claim, if not paid	149 740 249 370 For each additional invention to be			
109 84 209 42 ** Reissue independent claims over original patent	examined (37 CFR § 1.129(b))			
110 18 210 9 ** Reissue claims in excess of 20	179 740 279 370 Request for Continued Examination (RCE)			
and over original patent	169 900 169 900 Request for expedited examination of a design application			
SUBTOTAL (2) (\$) 1,644	Other fee (specify)			
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40				

AUDIUSTED DV					Complete (if applicable)		
Name (Print/Type)	Robert D. Hayden		istration No. mey/Agent)	42,645	Telephone	(650) 812-3400	
	1/1	Harl	iney/Agent)	<u> </u>	Date	December 14, 2001	
Signature	18/w_						

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Magnetic Tunneling Junction MRAM With Improved Stability And Power

Atty Docket Number

PA1942US

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Robert D. Hayden, Reg. No. 42,645

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).